Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/23/2018 11:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126576	1	2.32	126550	2.35
Blue	F	SSC	125000	124788	-1	2.16	125511	2.12
Blue	E	FITC	15760	15380	-3	3.07	332	23.24
Blue	D	PE	25880	25185	-3	2.15	547	17.20
Blue	B	PerCP-Cy5-5	34075	33870	-1	4.26	1032	22.89
Blue	A	PE-Cy7	22776	23110	1	7.46	558	45.30
Red	C	APC	42488	41779	-2	2.75	1587	13.08
Red	A	APC-Cy7	24478	24190	-2	2.85	828	13.17
Violet	B	V450	6304	6141	-3	4.12	340	18.15
Violet	A	V500	26005	24905	-5	3.67	583	13.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20869	10.77	609	12	N/A	N/A	Pass
Blue	F	SSC	56554	1.53	573	18	N/A	N/A	Pass
Blue	E	FITC	57	75.94	561	5	0.0143	164	Pass
Blue	D	PE	114	58.57	554	5	0.1189	279	Pass
Blue	B	PerCP-Cy5-5	197	56.13	654	7	0.0073	91	Pass
Blue	A	PE-Cy7	108	111.68	708	11	0.0090	23	Pass
Red	C	APC	373	27.77	601	1	0.0209	157	Pass
Red	A	APC-Cy7	204	28.45	572	1	0.0045	706	Pass
Violet	B	V450	54	83.56	491	2	0.0259	2320	Pass
Violet	A	V500	88	46.64	507	1	0.0136	1296	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.76	-31.19	0.99
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.41
Red	17.65	13.60 - 20.40	N/A	N/A	30.87	31.53	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13551

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments